Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

		Complete if Known
Application Number		10/812,461
Filing Date		03/29/2004
First Named Inventor		Hiroo Azuma
Art Unit		2811 2815
Examiner Name		Unassigned

Sheet	1	of	3	Attorney Docket Number	CFA00070US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
(init)	1	D. Deutsch and R. Jozsa, "Rapid solution of problems by quantum computation", Proc. R. Soc. London, Ser. A 439, 553-558 (1992).	✓
(init)	2	D.R. Simon, "On the power of quantum computation", SIAM J. Comput. 26, 1474-1483 (1997).	✓
(init)	3	P.W. Shor, "Polynomial-time algorithms for prime factorization and discrete logarithms on a quantum computer", SIAM J. Comput. 26, 1484-1509 (1997).	✓
(init)	4	L.K. Grover, "Quantum mechanics helps in searching for a needle in a haystack", Phys. Rev. Lett. 79, 325-328 (1997).	✓
(init)	5	C.H. Bennett, et al, "Teleporting an unknown quantum state via dual classical and Einstein-Podolsky-Rosen channels",Phys. Rev. Lett. 70, 1895-1899 (1993)	✓
(init)	6	D. Bouwmeester, J.-W. Pan, K. Mattle, M. Eibl, H. Weinfurter, and A. Zeilinger, "Experimental quantum teleportation", Nature (London) 390, 575-579 (1997).	✓
(init)	7	A. Barenco, et al, "Elementary gates for quantum computation", Phys. Rev. A 52, 3457-3467 (1995).	✓
(init)	8	Q.A. Turchette, C.J. Hood, W. Lange, H. Mabuchi, and H.J. Kimble, "Measurement of conditional phase shifts for quantum logic", Phys. Rev. Lett. 75, 4710-4713 (1995).	✓
(init)	9	C. Monroe, D.M. Meekhof, B.E. King, W.M. Itano, and D.J. Wineland, "Demonstration of a fundamental quantum logic gate", Phys. Rev. Lett. 75, 4714-4717 (1995).	✓
(init)	10	E. Knill, R. Laflamme, and G.J. Milburn, "A scheme for efficient quantum computation with linear optics", Nature (London) 409, 46-52 (2001).	✓

Examiner Signature	*(signature)*	Date Considered	11/05

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	11	T. Yamamoto, et al."Demonstration of conditional gate operation using superconducting charge qubitsNature (London) 425, 941-944 (2003).	✓
	12	J.S. Bell, "Speakable and unspeakable in quantum mechanics" (Oxford, Oxford University Press, 1983).	✓
	13	C.H. Bennett, D.P. DiVincenzo, J.A. Smolin, and W.K. Wootters, "Mixed-state entanglement and quantum error correction", Phys. Rev. A 54, 3824-3851 (1996).	✓
	14	R.F. Werner, "Quantum states with Einstein-Podolsky-Rosen correlations admitting a hidden-variable model", Phys. Rev. A 40, 4277-4281 (1989).	✓
	15	S. Popescu, "Bell's inequalities and density matrices: revealing "hidden" nonlocality", Phys. Rev. Lett. 74, 2619-2622 (1995).	✓
	16	P.G. Kwiat, et al, "New high-intensity source of polarization-entangled...", Phys. Rev. Lett. 75, 4337-4341(1995)	✓
	17	D. Gottesman and I.L. Chuang, "Demonstrating the viability of universal quantum computation using teleportation and single-qubit....", Nature (London) 402, 390-393 (1999)	✓
	18	A.C. Elitzur and L. Vaidman, "Quantum mechanical interaction-free measurements", Found. Phys. 23, 987-997 (1993).	✓
	19	L. Vaidman, "Are interaction-free measurements interaction free?", Opt. Spectrosc. 91, 352-357 (2001).	✓
	20	P. Kwiat, H. Weinfurter, T. Herzog, A. Zeilinger, and M.A. Kasevich, "Interaction-free measurement", Phys. Rev. Lett. 74, 4763-4766 (1995).	✓

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	Art Unit	2811 2815
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(initials)	21	P.G. Kwiat, A.G. White, J.R. Mitchell, O. Nariz, G. Weihs, H. Weinfurter, and A. Zeilinger, "High-efficiency quantum interrogation.....",Phys. Rev. Lett. 83, 4725-4728 (1999).	✓

Examiner Signature	*(signature)*	Date Considered	11/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.